

U.S. Patent Application Serial No. 10/516,302
Response to Office Action dated September 13, 2006

REMARKS

Claims 1-8 are pending in this application, of which claims 1, 3, 4, 6 and 7 have been amended. No new claims have been added.

Claims 1-8 stand rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent 3,160,838 to Bedil (hereafter, "Bedil").

Applicant respectfully traverses this rejection.

As noted in Applicant's response of January 28, 2006, Bedil discloses an electric transformer having a high-voltage winding of the pancake type whereof at least one pair of adjacent sections near the high-potential terminal has wound between a plurality of the outer turns of the sections conductors which are insulated from the current path of the winding, the sections of the pair being connected in series near their innermost turns and the conductors wound between the turns of said sections being connected together near their outermost turns.

Exemplary FIG. 1 shows a metal foil conductor H wound in interleaved fashion between successive turns of the conductor.

Column 2, lines 1-17 disclose:

In the transformer shown in FIG. 1, however, a metal foil conductor H is wound in interleaved fashion between successive turns of the conductor of the high-voltage winding, and in this embodiment it spirals inward from between the outermost pair of turns 1, 2 of section A₁ of the high-voltage, winding to between its innermost pair of turns 9, 10, terminating adjacent the end of the inward-spiraling conductor; and likewise a similar foil I spirals outward from between the innermost turns 11, 12 of section B₁ to between its outmost pair of turns 19, 20, where it terminates, the two foils H, I, being connected only at their outer parts by the connection J. In the embodiment shown in FIG. 1, a metal foil is provided in both sections of each of the pairs of sections which forms a coil, and it will be

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noted that no external connection is made to the metal foil. The foil itself is described in greater detail with reference to FIG. 3.

This is in contrast to the present invention, in which there are no metal foil conductors interleaved between successive turns.

In particular, as disclosed on page 11, lines 4-14 of the specification:

Accordingly, the air-core coil 21 shown in FIG. 2 has alternately arranged axially of the coil, unit coil portions each comprising three unit turn portions wound sequentially from the inner peripheral side to the outer peripheral side, and unit coil portions each comprising three unit turn portions wound sequentially from the outer peripheral side to the inner peripheral side. The unit turn portion on the outermost periphery or on the innermost periphery of each of the unit coil portions is connected to the unit turn portion on the outermost periphery or on the innermost periphery of the adjacent unit coil portion.

These unit turn portions are in direct contact with each other, as shown in FIG. 2 (e.g., unit turn portions 1, 2, 3 in direct contact with each other), with no metal foil conductors arranged in between.

Accordingly, claims 1, 3-4 and 6-7 have been amended to recite this distinction. This should not raise a new issue because the issue of a lack of metal foil conductors in the present invention has already been discussed in the response filed June 28, 2006.

Thus, the 35 U.S.C. § 102(b) rejection should be withdrawn.

In view of the aforementioned amendments and accompanying remarks, claims 1-8, as amended, are in condition for allowance, which action, at an early date, is requested.

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number

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indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, Applicant respectfully petitions for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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